

# MATERIAL SAFETY DATA SHEET

## MSDS

DATE 12/14/99	MSDS # 512220	NEW <input checked="" type="checkbox"/> REVISED <input type="checkbox"/>
PURSELL INDUSTRIES INC		EMERGENCY PHONE NUMBERS
P O Box 540		PURSELL 1-800-874-8892
Sylacauga AL 35150		CHEMFREC 1-800-424-9300

### SECTION - I - PRODUCT INFORMATION

PRODUCT NAME Bandura Bone Meal 5-15-0 PRODUCT NUMBER 512220  
 CHEMICAL NAME Bone Meal  
 CHEMICAL CLASS Fertilizer Compound  
 NFPA RATING Health - 1 Flammability - 0 Reactivity - 0 Special - None  
 NFPA CODES 0=Least 1=Slight 2=Moderate 3=High 4=Extreme

### SECTION - II - INGREDIENT INFORMATION

INGREDIENT	CAS NUMBER	PEL	TLV	% BY WEIGHT
Inert components	Mixture	NA	NA	100.00

### SECTION - III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point NA Bulk Density 66-68 lb/ft<sup>3</sup>  
 Vapor Pressure (mmHg) NA Melting Point NA  
 Vapor Density (Air =1) NA Evaporation Rate (Butyl Acetate=1) NA  
 Solubility in Water Fertilizer chemicals are water soluble  
 Appearance and Odor Brown to tan fertilizer granules Slight earthy odor

### SECTION - IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point NA Flammable Limits LEL NA UEL NA  
 Extinguishing Media Water spray, dry chemical, CO<sub>2</sub>, sand, or fine earth. Material is essentially non-flammable  
 Special Fire Fighting Procedures Wear full protective clothing and self-contained breathing apparatus. Short term exposure to smoke, fumes, and gases can lead to irreversible lung injury without early signs and symptoms. Use extinguishing media suitable for the surrounding fire. Evacuate downwind if large quantities are involved in fire.  
 Unusual Fire and Explosion Hazards Thermal decomposition may produce irritating or poisonous gases. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

### SECTION - V - REACTIVITY DATA

Stability Stable  
 Incompatibility (Materials to avoid) Store separately from acids and bases  
 Hazardous Decomposition or Byproducts Thermal degradation may produce Carbon monoxide and nitrogen oxides  
 Hazardous Polymerization Will not occur

### SECTION - VI - HEALTH HAZARD DATA

#### ACUTE AND CHRONIC HEALTH HAZARDS / EMERGENCY AND FIRST AID PROCEDURES

Route(s) of entry Inhalation, Ingestion  
 Eyes Dusts may cause moderate irritation. If eye contact occurs, flush eyes with running water for 15 minutes.  
 Skin Dusts may cause moderate irritation. Wash with soap and water if irritation occurs.  
 Inhalation Dusts may cause moderate irritation to the nose, throat, and lungs. If prolonged inhalation of dust occurs, remove to fresh air.  
 Ingestion Immediately seek medical assistance. Call a physician. The phone number to the National Poison Control Center is (202) 625-3333. May cause headache, nausea, and vomiting.  
 Signs and Symptoms of Exposure Irritation to eyes, skin, or respiratory or gastrointestinal tract. No chronic health effects data have been established.  
 Other Health Warnings Notes to physician. Treat symptomatically.

**SECTION - VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**Storage:** Store in original container in a cool dry area. Keep out of reach of children and domestic animals. Store separately from feed, food, pesticides, seeds and other fertilizers so that cross contamination does not occur.

**Procedures in case of spill or release:** If material is uncontaminated, collect and reuse as recommended for product. Avoid dusts, or use NIOSH/MSHA dust/mist approved respirator.

**Waste Disposal Method:** Apply as fertilizer if uncontaminated. If contaminated, dispose of in accordance with all Federal, State, and Local laws.

**Other Precautions:** Do not use directly on water. Do not contaminate water supplies.

**SECTION - VIII - CONTROL MEASURES**

**Ventilation Requirements:** None required with normal use of this product.

**PERSONAL PROTECTIVE EQUIPMENT**

**Respiratory Protection:** None required with normal use of this product.

**Protective Clothing:** None normally required. Those with unusually sensitive skin should wear long sleeved shirt, long pants, shoes and socks, and impervious gloves.

**Eye Protection:** Use of safety glasses with side shields is recommended.

**SECTION - IX - ADDITIONAL INFORMATION**

This product is a plant food. However, large spills could possibly kill vegetation or cause illness in animals. Contamination of waterways may cause fish kill. Keep animals away from large spills.

**SECTION - X- SARA TITLE III REQUIREMENTS**

Section 302 Extremely Hazardous Substances	No	SARA Hazard Category	None
Section 311/312 Hazardous Substances	No	Carcinogenic Compound(s) (IARC/NTP/OSHA/ACGIH)	None
Section 313 Toxic Chemicals	No		

**OTHER PRECAUTIONS AND COMMENTS**

The information in this Material Safety Data Sheet is believed to accurately reflect the scientific evidence used in making the hazard determination. It is considered only as a guide, and not a warranty or representation for which we assume legal responsibility. Independent decisions must be made on the suitability and use of this product dependent on variable storage conditions or locally applicable laws or government regulations. The buyer and user assumes all risk and liability of storage, handling, and use of this product not in accordance with the terms of the product label.

PURSELL INDUSTRIES, INC

Contact Customer Service

Telephone 1-800-874-8892

(256) 245-5282

NA = NOT APPLICABLE

NI = NOT INDICATED